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1 Hartford Square, New Britain, CT 06052
Tel: (860) 224-6668

Customer Name: Theraplant, LLC
Customer Address: 856 Echo Lake Road
Watertown, CT 06795
Phone Number: 860-417-6481

Results issued on: 11/2/2022 COA No.: 84110222-A

Client Lot Number	Sample ID	Tests Conducted	Reference Method
HCRU22-013	1821-1 1821-2	Quality Control Analysis	see table below
	1821-2	Active Ingredient Analysis	ASL-SOP-300
	1821-2	Terpene Analysis	ASL-SOP-301

Quality Control Analysis and Results

Test	Test Conducted	Reference Method	Specification	Results (Pass/Fail)
Microbiology	Total Aerobic Microbial Count	USP <2023>	< 10^5 CFU/g	Passed
	Total Yeast and Mold Count	USP <2023>	< 10^5 CFU/g	Passed
	STE.coli	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	E. coli	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	Salmonella	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	L. monocytogenes	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	Aspergillus fumigatus	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	Aspergillus flavus	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	Aspergillus niger	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
	Aspergillus terreus	MIC-qPCR <USP 2023>	Not Detected in 1 gram	Passed
Mycotoxins	Aflatoxin B1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin B2	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G1	ASL-SOP-213	< 20 ug/Kg	Passed
	Aflatoxin G2	ASL-SOP-213	< 20 ug/Kg	Passed
	Ochratoxin A	ASL-SOP-213	< 20 ug/Kg	Passed
Heavy Metals	Arsenic - As	ASL-SOP-400	< 0.14 ug/Kg	Passed
	Cadmium - Cd	ASL-SOP-400	< 0.09 ug/Kg	Passed
	Mercury - Hg	ASL-SOP-400	< 0.29 ug/Kg	Passed
	Lead - Pb	ASL-SOP-400	< 0.29 ug/Kg	Passed

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Active Ingredient Results

via High Performance Liquid Chromatography (HPLC)

Cannabinoid	Percent by weight (% w/w)	mg per 0.5 g	mg per 1.0 g
Cannabidivarin (CBDV)	<0.01	<0.01	<0.01
Cannabidiol Acid (CBD-A)	0.22	1.10	2.20
Cannabigerol Acid (CBG-A)	1.74	8.70	17.4
Cannabigerol (CBG)	0.41	2.05	4.10
Cannabidiol (CBD)	<0.01	<0.01	<0.01
Tetrahydrocannabivarin (THCV)	<0.01	<0.01	<0.01
Cannabinol (CBN)	<0.01	<0.01	<0.01
Δ^9-Tetrahydrocannabinol (Δ^9-THC)	8.74	43.7	87.4
Cannabichromene (CBC)	0.18	0.90	1.80
Δ^9-Tetrahydrocannabinol Acid (Δ^9THC-A)	83.8	419	838
Total	95.1	475	951

Terpene Content Results

via Gas Chromatography Mass Spectrometry (GC-MS)

Terpene	Percent by weight (% w/w)
β-Caryophyllene	0.47
Humulene	0.16
α-Bisabolol	0.19



Results Approved by
Jose A. Zavaleta, Lab Director

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